

AMENDMENTS TO THE ABSTRACT

Please substitute the paragraph presented on the next page for the abstract now appearing in the currently filed specification:

ABSTRACT

The present system enables the monitoring and automatic control of the tolerance in splice overlap of textile ply, through the identification of the overlap area, identification and counting of textile cords in the overlap area, and the generation of a control signal for the manufacturing equipment based on parameters and criteria defined by a user. The system includes an image acquisition sub-assembly that contains a lighting module, artificial vision module, and respective elements of support, fixation, conditioning and adjustment. The system also includes a quality control computer program that has a module of morphologic image analysis for detection and recognition of the overlap of the ply, detecting and counting of cords in the overlap area, a module of support to the decision of acceptance/rejection of the ply based on parameters defined by the user and a module of an interface with production equipment.